Bruhat Bangalore Mahanagara Palike

Exceeutive Engineer Dasharahalli Division

Name of Work :- Community Property Maitenance School Building in Ward no.13, Shettyhalli Sub Division.

Est: 21.00 Lakhs

Sl. No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			Nos	L	B	D			
1	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications Page No 14, Item NO 4.10 (SR 2018-19)								
	RCC Retaining wall at Mallasandra School	**Cum**	1	46.20	0.30	0.60	8.32		
			1	15.00	0.30	0.60	2.70		
	column		8	0.30	0.23	1.20	0.66		
			6	0.30	0.23	1.80	0.75		
							12.42	**7149.02**	**88816.61**
	Basic Rate	5812.00							
	Deduct Cement cost as per SR -18-19	-1668.14	Note:- (340*245.34/50= 1668.14						
	Add Cement cost as per Issue rate	2475.61	Note:- (340*264.06/50)= 2475.61						
		6619.47							
	AW 8%	529.56							
		7149.02							
2	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications No. KBS 4.6.2, Item No 4.31 page No 16 (SR 2018-19)								
	Retaining wall at mallasandra school	**Sqm**	2	46.20		0.60	55.44		
	Retaining wall		2	15.00		0.60	18.00		
	column		8	1.06		1.20	10.18		
			6	1.06		1.80	11.45		
							95.06	**386.64**	**36755.54**
	Basic Rate	358.00							
	AW 8%	28.64							
		386.64							
3	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification Item No 4.46.2 Page No 18 (SR 2018-19)								
	Consider 120 kg per cum of concrete item No 1	**Ton**			12.42	120	1,490.83		
							1.49	69562.80	103706.45

	Issue rate	64410.00							
	AW 8%	5152.8							
		69562.80							
4	KSRB 15-16.1 : Providing and finishing external two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour,-do-with primer, complete as per specifications. Page No-102 Item No-15.53.1 (PWD SR 2018-19)								
	Anganvadi Wall at maheswaramma temple School	**Sqm**	1	3.75	3.90		14.63		
			2	4.00	3.90		31.20		
			2	3.75	1.00		7.50		
			2	4.10	1.00		8.20		
	Office Wall		2	9.60	3.90		74.88		
			1	5.60	3.40		19.04		
			2	9.60	1.00		19.20		
			1	5.60	1.00		5.60		
	Toilet Wall		2	15.00	3.60		108.00		
			2	5.40	3.60		38.88		
	School L/Wall		2	57.00	7.50		855.00		
	School S/Wall		2	30.00	7.50		450.00		
			2	7.80	7.50		117.00		
	Deduction						**1749.13**		
	Door		-19	0.90	1.80		-30.78		
	window		-5	0.90	1.20		-5.40		
	Grill		-11	2.40	1.20		-31.68		
			-8	2.80	0.90		-20.16		
	window		-20	0.90	1.20		-21.60		
							-109.62		
							1639.51	**96.12**	**157590.00**
	Basic Rate	89.00							
	AW 8%	7.12							
	Total	**96.12**							
5	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour,-do-with primer, complete as per specifications. Page No-119 Item No-15.51.1 (PWD SR 2018-19)								
	Gr Fl Class Room1 Ceiling	**Sqm**	1	4.51	4.93		22.23		
	wall		2	4.51	3.00		27.06		
	wall		2	4.93	3.00		29.58		
	Gr Fl Class Room2 Ceiling		1	4.63	4.93		22.83		
	wall		2	4.63	3.00		27.78		
	wall		2	4.93	3.00		29.58		
	Gr Fl Class Room3 Ceiling		1	4.48	4.93		22.09		
	wall		2	4.48	3.00		26.88		
	wall		2	4.93	3.00		29.58		
	Gr Fl Class Room4 Ceiling		1	4.60	4.93		22.68		
	wall		2	4.60	3.00		27.60		
	wall		2	4.93	3.00		29.58		
	Gr Fl Class Room5 Ceiling		1	4.48	5.51		24.68		
	wall		2	4.48	3.00		26.88		
	wall		2	5.51	3.00		33.06		

	Gr Fl Class Room6 Ceiling		1	4.81	5.51		26.50		
	wall		2	4.81	3.00		28.86		
	wall		2	5.51	3.00		33.06		
	Gr Fl Class Room7 Ceiling		1	5.82	5.51		32.07		
	wall		2	5.82	3.00		34.92		
	wall		2	5.51	3.00		33.06		
	Gr Fl Class Room8 Ceiling		2	6.03	5.51		66.45		
	wall		2x2	6.03	3.00		72.36		
	wall		2x2	5.51	3.00		66.12		
	Gr Fl Class Room9 Ceiling		1	5.94	5.51		32.73		
	wall		2	5.94	3.00		35.64		
	wall		2	5.51	3.00		33.06		
	Gr Fl Class Room10 Ceiling		1	5.94	5.51		32.73		
	wall		2	5.94	3.00		35.64		
	wall		2	5.51	3.00		33.06		
	Gr Fl Class Room11 Ceiling		1	12.01	4.78		57.41		
	wall		2	12.01	3.00		72.06		
	wall		2	4.78	3.00		28.68		
	Gr Fl Class Room12 Ceiling		1	6.98	4.78		33.36		
	wall		2	6.98	3.00		41.88		
	wall		2	4.78	3.00		28.68		
	Gr Fl Class Room13 Ceiling		1	4.48	4.78		21.41		
	wall		2	4.48	3.00		26.88		
	wall		2	4.78	3.00		28.68		
	Gr Fl Class Room14 Ceiling		1	4.81	4.78		22.99		
	wall		2	4.81	3.00		28.86		
	wall		2	4.78	3.00		28.68		
	Gr Fl Class Room15 Ceiling		1	5.82	4.78		27.82		
	wall		2	5.82	3.00		34.92		
	wall		2	4.78	3.00		28.68		
	Gr Fl Class Room16 Ceiling		1	5.82	4.78		27.82		
	wall		2	5.82	3.00		34.92		
	wall		2	4.78	3.00		28.68		
	Gr Fl Class Room17 Ceiling		1	12.22	4.78		58.41		
	wall		2	12.22	3.00		73.32		
	wall		2	4.78	3.00		28.68		
	Gr Fl Class Room18 Ceiling		1	8.96	5.15		46.14		
	wall		2	8.96	3.00		53.76		
	wall		2	5.15	3.00		30.90		
	Gr Fl Class Room19 Ceiling		1	3.65	3.07		11.21		
	wall		2	3.65	3.00		21.90		
	wall		2	3.07	3.00		18.42		
	Passage Gr Fl Ceiling		1	56.54	1.80		101.77		
	wall		2	56.54	3.00		339.24		
	wall		2	1.80	3.00		10.80		
			1	56.00	3.00		168.00		
	Passage First Fl Ceiling		1	56.54	1.80		101.77		
	wall		2	56.54	3.00		339.24		
	wall		2	56.54	3.00		339.24		
							3343.57		
	Deduction								
	Door		-29	0.90	2.00		-52.20		
	window		-60	0.90	1.20		-64.80		
	Grill		-11	2.40	1.20		-31.68		

							-148.68		
							3194.89	**93.96**	**300193.00**
	Basic Rate	87.00							
	AW 8%	6.96							
	Total	**93.96**							
6	KSRB 15-17.8 : Extra over Item No. KSRB 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No-121 Item No-15.60.2 (PWD SR 2018-19)								
	Door	Sqm	1.2	42	0.90	2.00	90.72		
			1.2	42	0.90	2.00	90.72		
	Window		1.2	2	0.90	1.20	2.59		
			1.2	2	0.90	1.20	2.59		
	Grill		2	11	2.40	1.20	63.36		
			2	8	2.80	0.90	40.32		
	Gate		2	6	1.50	2.10	37.80		
	Terrace Grill		4		57.00	1.20	273.60		
			4		7.80	1.20	37.44		
			8		9.20	1.20	88.32		
	C Channel		20		9.00	0.30	54.00		
			18		57.00	0.25	256.50		
	window		30		1.10	2.10	69.30		
							1107.26	**59.40**	**65772.00**
	Basic Rate	55.00							
	AW 8%	4.40							
	Total	**59.40**							
7	Providing and laying flooring using prepolished, gang saw/water cut19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications. -do- using silver grey granite I Multy Red I Ruby Red I Black I HassanGreen I River Pink Granite of width not less than 1200mm Page No.109 / Item No. 14.47.1 PWD SR 2018-19								
	For Flat Form (Stage) Floor at maheswaramma temple school	**Sqm**	1	11.50	6.50		74.75		
	Side		2	6.50		0.35	4.55		
	Side		1	11.50		0.35	4.03		
							83.33	**2961.20**	**246742.00**
	Basic Rate	2739.00							
	Deduct Cement cost as per SR -18-19	-37.29	1x1x.02x7.6x245.31						
	Add Cement cost as per Issue rate	40.14	1x1x.02x7.6x264.06						
	Sub total	2741.85							
	AW 8%	219.35							
	Total	**2961.20**							
8	Providing and fixing Special make glazed Vitrified tiles finish of approved make, quality and colour of size 600x600x10mmthick fixed on existing flooring with a special adhesive for flooring, skirtingand jointed with neat cement slurry mixed with pigment to match shade oftiles, including providing spacers at required interval and removing stainsetc., cost of materials, mortar, labour etc., complete as per specification. Page No 109 Item No 14.43 (PWD SR 2018-19).								
	19mm Granite	**Sqm**							
	Gr Fl Class Room1		1	4.51	4.93		22.23		
	Gr Fl Class Room2		1	4.63	4.93		22.83		
	Gr Fl Class Room3		1	4.48	4.93		22.09		

	Gr Fl Class Room4		1	4.60	4.93		22.68		
	Gr Fl Class Room5		1	4.48	5.51		24.68		
	Gr Fl Class Room6		1	4.81	5.51		26.50		
	Gr Fl Class Room7		1	5.82	5.51		32.07		
	Gr Fl Class Room8		2	6.03	5.51		66.45		
	Gr Fl Class Room9		1	5.94	5.51		32.73		
	Gr Fl Class Room10		1	5.94	5.51		32.73		
	Passage Gr Fl		1	56.54	1.80		101.77		
	Gr Fl Class Room1 Skirting		2	4.51	0.15		1.35		
	Skirting		2	4.93	0.15		1.48		
	Gr Fl Class Room2		2	4.63	0.15		1.39		
	Skirting		2	4.93	0.15		1.48		
	Gr Fl Class Room3		2	4.48	0.15		1.34		
	Skirting		2	4.93	0.15		1.48		
	Gr Fl Class Room4		2	4.60	0.15		1.38		
	Skirting		2	4.93	0.15		1.48		
	Gr Fl Class Room5		2	4.48	0.15		1.34		
	Skirting		2	5.51	0.15		1.65		
	Gr Fl Class Room6		2	4.81	0.15		1.44		
	Skirting		2	5.51	0.15		1.65		
	Gr Fl Class Room7		2	5.82	0.15		1.75		
	Skirting		2	5.51	0.15		1.65		
	Gr Fl Class Room8		4	6.03	0.15		3.62		
	Skirting		4	5.51	0.15		3.31		
	Gr Fl Class Room9		2	5.94	0.15		1.78		
	Skirting		2	5.51	0.15		1.65		
	Gr Fl Class Room10		2	5.94	0.15		1.78		
	Skirting		2	5.51	0.15		1.65		
	Passage Gr Fl		2	56.54	0.15		16.96		
							480.63	**1186.92**	**570466.00**
	Basic Rate	1099.00							
	AW8%	87.92							
	Total	**1,186.92**							
9	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid with a bed of CM 1:3,20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide including cost of all materials, mortar, labour, curing etc., complete as per specification Item No 14.46 page No								
	Step tread		44	1.00	0.30		13.20		
	Step riser		43	1.00	0.15		6.45		
	Landing		2	2.50	1.50		7.50		
							27.15	**7773.65**	**211054.62**
	Basic Rate	7194.00							
	Deduct Cement cost as per SR -18-19	-50.04	1x1x.02x10.2x245.31						
	Add Cement cost as per Issue rate	53.87	1x1x.02x10.2x264.06						
	Sub total	7197.83							
	AW8%	575.83							
	Total	7,773.65							

10	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM etc., complete as per specification Item No 14.56 Page No 111, (PWD SR 2018-19)							
	Step tread		43	1.50		64.50		
	Landing		2	2.50		5.00		
						69.50	194.40	13511.00
	Basic Rate	180.00						
	AW8%	14.40						
	Total	194.40						
						Total Construction Cost		17,94,607.22
						GST 12%		2,15,353.00
						Add Tender premium 5%		89,731.00
						Add for unforseen work		308.78
						Grand Total		21,00,000.00

Rupees Twenty One Lakh(s) Only

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2018-19 & Issued Rate 02.07.2020
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits. And property belongs to BBMP.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ADMINISTRATIVELY SANCTIONED FOR
(Rupees Twenty one lakhs only
Under the Head of Account P:1771 Programme of Works pay
Registered as no EE(D.D.)/AS 162 Subject
to conditions contained in Enclosed Memo
No. EE/DD/AS/162/2021 Dt: 17.11.2020
Exe. Eng
(DASARAHALLI) BBMP
JE/AE.

Technically Sanctioned For Rs: 21.00 Lakhs
Rs. In Words Twenty one Lakhs only
Under P:1771, Programme of Works
Job Code No. 013.21.0000 7/0
Registered as SE No. 106/2021 subject
to conditions contained in Enclosed Memo
No SE/TS/DD/106/2021 Dt. 02.12.20
AE / JE TA
SE(D)